

Applicants : Thomas M. Kurth, et al.
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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-35 (canceled).

36. (Currently Amended) A material comprising the reaction product of an A-side comprising an isocyanate and a B-side comprising an esterified polyol and a catalyst, wherein the esterified polyol comprises the reaction product of a first polyol[[,]] and a blown vegetable oil and wherein the first polyol comprises the reaction product of a multifunctional alcohol and a second multifunctional compound and wherein the blown vegetable oil comprises a blown vegetable oil chosen from the group consisting of a blown palm oil, a blown safflower oil, a blown canola oil, a blown soy oil, a blown cottonseed oil, and a blown rapeseed oil.

37. (Previously Presented) The material of claim 36, wherein the second multifunctional compound comprises a saccharide compound.

38. (Canceled)

39. (Canceled)

40. (Canceled)

41. (Previously Presented) The material of claim 37, wherein the saccharide compound comprises a saccharide compound chosen from monosaccharides, disaccharides, oligosaccharides, sugar alcohols, and honey.

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42. (Previously Presented) The material of claim 37, wherein the saccharide compound comprises glucose.

43. (Previously Presented) The material of claim 37, wherein the saccharide compound comprises sorbitol.

44. (Previously Presented) The material of claim 37, wherein the saccharide compound comprises cane sugar.

45. (Previously Presented) The material of claim 36, wherein the multifunctional alcohol comprises a multifunctional alcohol chosen from glycerin, butanediol, ethylene glycol, tripropylene glycol, dipropylene glycol, and aliphatic amine tetrol.

46. (Previously Presented) The material of claim 36, wherein the B-side further comprises a crosslinker.

47. (Previously Presented) The material of claim 46, wherein the crosslinker comprises a crosslinker chosen from glycerin, ethylene glycol, butanediol, dipropylene glycol, tripropylene glycol, dipropylene glycol, and aliphatic amine tetrol.

48. (Previously Presented) The material of claim 36, wherein the B-side further comprises a blowing agent.

49. (Previously Presented) The material of claim 48, wherein the blowing agent comprises a blowing agent chosen from water, acetone, methyl isobutyl ketone, methylene chloride, a hydrochlorofluorocarbon, and a hydrofluorocarbon.

50. (Previously Presented) The material of claim 36, wherein the isocyanate comprises a diisocyanate compound.

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51. (Previously Presented) The material of claim 36, wherein the isocyanate comprises an isocyanate chosen from 2,4' toluene diisocyanate, 4,4' diphenylmethane diisocyanate, and 2,4 diphenylmethane diisocyanate.

52. (Previously Presented) The material of claim 36, wherein the isocyanate comprises a prepolymer comprising the reaction product of a vegetable oil and an isocyanate.

53. (Previously Presented) The material of claim 36, wherein the B-side further comprises a petroleum based polyol.

54. (Previously Presented) The material of claim 53, wherein the petroleum based polyol comprises a petroleum based polyol chosen from polyether polyol, polyester polyol, and polyurea polyol.

55. (Previously Presented) A material comprising the reaction product of a blown vegetable oil wherein the blown vegetable oil comprises a blown vegetable oil chosen from the group consisting of a blown palm oil, a blown safflower oil, a blown canola oil, a blown soy oil, a blown cottonseed oil, and a blown rapeseed oil and the reaction product of a first multifunctional alcohol and a second multifunctional compound.

56. (Previously Presented) The material of claim 55, wherein the second multifunctional compound comprises a saccharide compound.

57. (Canceled)

58. (Canceled)

59. (Canceled)

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60. (Previously Presented) The material of claim 56, wherein the saccharide compound comprises a saccharide chosen from monosaccharides, disaccharides, oligosaccharides, sugar alcohols, and honey.

61. (Previously Presented) The material of claim 56, wherein the saccharide compound comprises cane sugar.

62. (Previously Presented) The material of claim 55, wherein the first multifunctional alcohol comprises a multifunctional alcohol chosen from glycerin, butanediol, ethylene glycol, tripropylene glycol, dipropylene glycol, and aliphatic amine tetrol.

Claims 63-75 (canceled).

76. (Currently Amended)) A material comprising: the reaction product of:
an isocyanate;

the reaction product of a first polyol and a blown vegetable oil, wherein the blown vegetable oil comprises a blown vegetable oil chosen from the group consisting of a blown palm oil, a blown safflower oil, a blown canola oil, a blown soy oil, a blown cottonseed oil, and a blown rapeseed oil and wherein the first polyol is the reaction product of a multifunctional alcohol and a second multifunctional compound; and
a catalyst.

77. (Previously Presented) The material of claim 76, wherein the isocyanate is a diisocyanate compound.

78. (Previously Presented) The material of claim 76, wherein the isocyanate comprises an isocyanate chosen from 2,4' toluene diisocyanate, 4,4' diphenylmethane diisocyanate, and 2,4' diphenylmethane diisocyanate.

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79. (Previously Presented) The material of claim 76, wherein the isocyanate comprises a prepolymer comprising the reaction product of a vegetable oil and an isocyanate.

80. (Previously Presented) The material of claim 76, wherein the isocyanate comprises an isocyanate and a blowing agent.

81. (Previously Presented) The material of claim 80, wherein the isocyanate further comprises a crosslinker.

82. (Currently Amended) A material comprising the reaction product of:
an isocyanate; and

the reaction product of a first polyol and a blown modified crude soybean oil and a catalyst, wherein the first polyol is the reaction product of a multifunctional alcohol and a second multifunctional compound,

wherein the blown modified crude soybean oil comprises a ~~blown modified crude soybean oil comprising~~ the reaction product of a crude soybean oil and a second polyol that comprises the reaction product of a ~~second~~ third multifunctional alcohol and a ~~third~~ fourth multifunctional alcohol, wherein the reaction product of the crude soybean oil and a second polyol is blown.